

1-2
Docket No.: KC-19,203

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jeffrey Jennings KRUEGER
Fred Robert RADWANSKI
Mark G. REICHMANN
Peter Robert ELLIKER
Ali YAHIAOUI
Renette E. RICHARD
Oomman Painummoottil THOMAS

Serial No.: 10/729,881

Filing Date: 05 December 2003

Title: LOW-DENSITY, OPEN-CELL, SOFT, FLEXIBLE,
THERMOPLASTIC, ABSORBENT FOAM AND
METHOD OF MAKING FOAM

FIRST INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

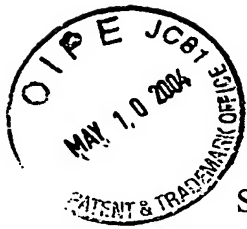
In accordance with Rules 1.56 and 1.98, the references listed on Form PTO-1449 are hereby brought to the attention of the Examiner as being possibly material to examination of the subject patent application.

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment; Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

May 7, 2004

5/7/04
Date

[Signature]
Signature



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Form PTO-1449, fifteen (15) pages, is enclosed with a copy of each and every reference cited on Form PTO-1449.

Respectfully submitted,

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FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-2215 (KC-19,203)

SERIAL NO.

10/729,881

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT(S)

Jeffrey Jennings KRUEGER et al.

FILING DATE

05 December 2003

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,563,243	2/16/71	Lindquist			
	AB	4,142,956	3/6/79	Shikinami et al.			
	AC	4,229,396	10/21/80	Suh et al.			
	AD	4,279,848	7/21/81	Baxter et al.			
	AE	4,306,035	12/15/81	Baskent et al.			
	AF	4,318,408	3/9/82	Korpman			
	AG	4,329,052	5/11/82	Colombo et al.			
	AH	4,343,911	8/10/82	Hoki et al.			
	AI	4,384,032	5/17/83	Tashiro et al.			
	AJ	4,394,930	7/26/83	Korpman			
	AK	4,415,388	11/15/83	Korpman			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	EP 1 182 224 A1	2/27/02	Europe				
	AM	EP 1 219 673 A2	7/3/02	Europe				
	AN	EP 1 219 673 A3	7/31/02	Europe				
	AO	0 328 518 B1	5/29/91	Europe				
	AP	EP 0 475 174 B1	5/8/96	Europe				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Rynel EPITECH® brochure, 1997
	AS	Jeffrey Csemica and Alisha Brown, "Effect of Plasticizers on the Properties of Polystyrene Films", Journal of Chemical Education, Vol. 76, No. 11, November 1999, pp. 1526-1528
	AT	"Kraton D and G Polymers," www. Kraton.com/kraton/generic/menu.asp?ID=220, October 2001

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USCOMM-DC 80-3985

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,423,110	12/27/83	Sato			
	AB	4,435,346	3/6/84	Ito et al.			
	AC	4,449,977	5/22/84	Korpman			
	AD	4,519,963	5/28/85	Yoshida et al.			
	AE	4,554,297	11/19/85	Dabi			
	AF	4,560,372	12/24/85	Pieniak			
	AG	4,655,210	4/7/87	Edenbaum et al.			
	AH	4,676,784	6/30/87	Erdman et al.			
	AI	4,725,629	2/16/88	Garvey et al.			
	AJ	4,902,565	2/20/90	Brook			
	AK	4,579,872	4/1/86	Johnson			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	EP 0 585 147 B1	4/8/98	Europe				
	AM	EP 0 662 493 B1	10/25/00	Europe				
	AN	EP 0 674 579 B1	6/7/00	Europe				
	AO	EP 0 702 032 B1	11/27/02	Europe				
	AP	EP 0 704 476 B1	12/5/01	Europe				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Epolene® Polymers brochure, Eastman Chemical Company, 2002, pp. 9, 11, 12.
	AS	"Epolene Polymers", www.eastman.com/Brands/Epolene/Epolene_Intro.asp , 2003
	AT	"Epolene Polymers," www.eastman.com/Online_Publications/F243/f24304.htm , 1994

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,605,682	8/12/86	Park			
	AB	4,647,593	3/3/87	Bartosiak et al.			
	AC	4,738,810	4/19/88	Cheng-Shiang			
	AD	4,747,983	5/31/88	Colombo			
	AE	4,766,157	8/23/88	Yamada et al.			
	AF	4,867,923	9/19/89	Topcik et al.			
	AG	4,894,395	1/16/90	Park			
	AH	4,918,112	4/17/90	Roos			
	AI	5,019,062	5/28/91	Ryan et al.			
	AJ	5,110,843	5/5/92	Bries et al.			
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	EP 0 753 529 A2	1/15/97	Europe				
	AM	EP 0 753 529 A3	11/22/00	Europe				
	AN	EP 0 891 390 B1	8/29/01	Europe				
	AO	EP 0 921 148 A1	6/9/99	Europe				
	AP	EP 0 043 052	1/6/82	Europe				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	"Epolene Polymers: Effective Processing Aids for Rubber, " Eastman Chemical Company,
		August 1995, pp.1-8.
	AS	"Glycerol Monooleate: Processing," National Organic Standards Board Technical Advisory Panel Review,
		September 2001, pp. 1-16
	AT	Principles of Polymer Systems, Ferdinand Rodriguez , McGraw-Hill Book Co., 1070, pp. 43-46.

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,116,662	5/26/92	Morman			
	AB	5,116,881	5/26/92	Park et al.			
	AC	5,132,171	7/21/92	Yoshizawa et al.			
	AD	5,133,917	7/28/92	Jezic et al.			
	AE	5,147,345	9/15/92	Young et al.			
	AF	5,147,338	9/15/92	Lang et al.			
	AG	5,158,986	10/27/92	Cha et al.			
	AH	5,180,751	1/19/93	Park et al.			
	AI	5,188,885	2/23/93	Timmons et al.			
	AJ	5,203,764	4/20/93	Libbey et al.			
	AK						

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 00/15697	3/23/00	PCT				
	AM	WO 00/53669	3/23/00	PCT				
	AN	WO 01/09239 A1	2/8/01	PCT				
	AO	WO 01/16220 A1	3/8/01	PCT				
	AP	EP 0 453 286 A2	10/23/91	Europe				

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,204,174	4/20/93	Daponte et al.			
	AB	5,218,006	6/8/93	Reedy et al.			
	AC	5,250,577	10/5/93	Welsh			
	AD	5,268,224	12/7/93	DesMarais et al.			
	AE	5,269,987	12/14/93	Reedy et al.			
	AF	5,277,915	1/11/94	Provonchee et al.			
	AG	5,268,429	2/15/94	Blythe et al.			
	AH	5,290,822	3/1/94	Rogers et al.			
	AI	5,294,482	3/15/94	Gessner			
	AJ	5,302,624	4/12/94	Reedy et al.			
	AK	5,318,735	7/7/94	Kozulla			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 01/27191 A1	4/19/01	PCT				
	AM	WO 01/34687 A1	5/17/01	PCT				
	AN	WO 01/40374 A2	6/7/01	PCT				
	AO	WO 01/40374 A3	6/7/01	PCT				
	AP	WO 01/64154 A1	9/7/01	PCT				

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,328,935	7/12/94	Van Pahn et al.			
	AB	5,331,015	7/19/94	DesMarais et al.			
	AC	5,348,795	9/20/94	Park			
	AD	5,356,944	10/18/94	Blythe et al.			
	AE	5,352,711	10/4/94	DesMarais			
	AF	5,366,786	11/22/94	Connor			
	AG	5,387,207	2/7/95	Dyer et al.			
	AH	5,403,865	4/4/95	Reedy et al.			
	AI	5,405,883	4/11/95	Park			
	AJ	5,411,687	5/2/92	Imeokparia et al.			
	AK	5,433,112	7/18/95	Piche et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 01/70479 A1	9/27/01	PCT				
	AM	WO 01/70859 A2	9/27/01	PCT				
	AN	WO 01/70859 A3	9/27/01	PCT				
	AO	WO 01/70860 A2	9/27/01	PCT				
	AP	WO 01/80916 A2	11/1/01	PCT				
	AQ	WO 01/70860 A3	9/27/01	PCT				

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,460,818	10/24/95	Park et al.			
	AB	5,489,407	2/6/96	Suh et al.			
	AC	5,496,864	3/5/96	Henn et al.			
	AD	5,534,335	7/9/96	Everhart et al.			
	AE	5,536,264	7/16/96	Hsueh et al.			
	AF	5,536,563	7/16/96	Shah et al.			
	AG	5,550,167	8/27/96	DesMarais			
	AH	5,567,742	10/22/96	Park			
	AI	5,744,506	4/28/98	Goldman et al.			
	AJ	5,763,067	6/9/98	Brüggemann et al.			
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 01/80916 A3	11/1/01	PCT				
	AM	WO 02/07791 A2	1/31/02	PCT				
	AN	WO 02/07791 A3	1/31/02	PCT				
	AO	WO 02/12379 A1	2/14/02	PCT				
	AP	WO 02/14424 A2	2/21/02	PCT				

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	AA	5,770,634	6/23/98	Dyer et al.			
	AB	5,573,994	11/12/96	Kabra et al.			
	AC	5,585,411	12/17/96	Hwo			
	AD	5,589,519	12/31/96	Knaus			
	AE	5,595,694	1/21/97	Reedy et al.			
	AF	5,618,853	4/8/97	Vonken et al.			
	AG	5,646,194	7/8/97	Kobayashi et al.			
	AH	5,707,571	1/13/98	Reedy			
	AI	5,817,261	10/6/98	Reedy et al.			
	AJ	5,767,189	6/16/98	Palmer, Jr.			
	AK	5,788,889	8/4/98	Demello et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 02/18482 A2	3/7/02	PCT				
	AM	WO 02/22339 A1	3/21/02	PCT				
	AN	WO 02/34823 A2	5/2/02	PCT				
	AO	WO 02/068530 A2	9/6/02	PCT				
	AP	WO 86/00628	1/30/86	PCT				

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	AA	5,795,346	8/18/98	Achter			
	AB	5,849,805	12/15/98	Dyer			
	AC	5,855,572	1/5/99	Schmidt			
	AD	5,880,166	3/9/99	Glück et al.			
	AE	5,883,144	3/16/99	Bambara et al.			
	AF	5,883,145	3/16/99	Hurley et al.			
	AG	5,891,814	4/6/99	Richeson et al.			
	AH	5,905,097	5/18/99	Walther			
	AI	5,922,780	7/13/99	Dyer et al.			
	AJ	5,929,129	7/27/99	Feichtinger			
	AK	5,962,543	10/5/99	Kawasaki et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 94/13460	6/23/94	PCT				
	AM	WO 97/07907	3/6/97	PCT				
	AN	WO 97/31053	8/28/97	PCT				
	AO	WO 98/10015	3/12/98	PCT				
	AP	WO 98/16575	4/23/98	PCT				

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	AA	5,993,706	11/30/99	Wilkes et al.			
	AB	6,008,262	12/28/99	McKay et al.			
	AC	6,030,696	2/29/00	Lee			
	AD	6,027,795	2/22/00	Kabra et al.			
	AE	6,051,174	4/18/00	Park et al.			
	AF	6,071,580	6/6/00	Bland et al.			
	AG	6,083,211	7/4/00	DesMarais			
	AH	6,093,751	7/25/00	Federico et al.			
	AI	6,093,752	7/25/00	Park et al.			
	AJ	6,096,793	8/1/00	Lee et al.			
	AK	4,762,860	8/9/88	Park			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 98/37131	8/27/98	PCT				
	AM	WO 98/41574	9/24/98	PCT				
	AN	WO 98/58991	12/30/98	PCT				
	AO	WO 99/00236	1/7/99	PCT				
	AP							

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	AA	6,103,358	8/15/00	Brüggemann et al.			
	AB	6,107,538	8/22/00	Young et al.			
	AC	6,132,077	10/17/00	Fogarty			
	AD	6,140,550	10/31/00	Beihofer et al.			
	AE	6,156,813	12/5/00	Malwitz et al.			
	AF	6,174,471	1/16/01	Park et al.			
	AG	6,197,233	3/6/01	Mason et al.			
	AH	6,197,841	3/6/01	Takimoto et al.			
	AI	6,221,928	4/24/01	Kozma et al.			
	AJ	6,231,960	5/15/01	Dyer et al.			
	AK	6,235,360	5/22/01	Lanzani et al.			

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	AL	WO 99/29765	6/17/99	PCT				
	AM	WO 99/47592	9/23/99	PCT				
	AN	WO 99/52955	10/21/99	PCT				
	AO	WO 01/15643 A1	3/8/01	PCT				
	AP	WO 01/21227 A1	3/29/01	PCT				

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FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.

KCC-2215 (KC-19,203)

SERIAL NO.

10/729,881

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,258,863	7/10/01	Harfmann et al.			
	AB	6,245,697	6/12/01	Conrad et al.			
	AC	6,258,868	7/10/01	Heymann			
	AD	6,261,679	7/17/01	Chen et al.			
	AE	6,262,137	7/17/01	Kozma et al.			
	AF	6,268,046	7/31/01	Miller et al.			
	AG	6,281,289	8/28/01	Maugans et al.			
	AH	6,310,112	10/30/01	Vo et al.			
	AI	6,325,956	12/4/01	Chaudhary et al.			
	AJ	6,329,450	12/11/01	Ogoe et al.			
	AK	6,355,341	3/12/02	Chaudhary et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 91/08037	6/13/91	PCT				
	AM	WO 98/14508	4/9/98	PCT				
	AN	WO 99/47092	9/23/99	PCT				
	AO	0 228 353 B1	5/15/91	Europe				
	AP	CA 2,129,278	2/3/95	Canada				

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	AA	6,372,953	4/16/02	Young et al.			
	AB	6,388,014	5/14/02	Park et al.			
	AC	6,391,438	5/21/02	Ramesh et al.			
	AD	6,398,997	6/4/02	Ligon, Sr. et al.			
	AE	6,399,854	6/4/02	Vartianen			
	AF	6,414,047	7/2/02	Abe			
	AG	6,417,240	7/9/02	Park			
	AH	6,436,521	8/20/02	Lee			
	AI	6,458,877	10/1/02	Ahmed et al.			
	AJ	2002/0010270	1/24/02	Czech et al.			
	AK	2002/0025988	2/28/02	Maekawa et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	EP 0 041 934	12/16/81	Europe				
	AM	EP 1 048 276 A1	11/2/00	Europe				
	AN	EP 1 079 786 B1	8/21/02	Europe				
	AO	EP 0 642 907 B1	5/14/97	Europe				
	AP	EP 0 878 481 A1	11/18/98	Europe				

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	AA	6,297,326	10/2/01	Wang et al.			
	AB	5,674,916	10/7/97	Schmidt et al.			
	AC	5,342,857	8/30/94	Reedy et al.			
	AD	5,389,168	2/14/95	Litchholt et al.			
	AE	5,728,406	3/17/98	Halberstadt et al.			
	AF	5,962,545	10/5/99	Chaudhary et al.			
	AG	6,451,865	9/17/02	Migchels et al.			
	AH	6,653,360	11/25/03	Gupta			
	AI						
	AJ						
	AK						

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	GB 2 259 464 A	3/17/93	UK				
	AM	GB 2 279 013 A	12/24/94	UK				
	AN	JP 6-280317	10/4/94	Japan (Abstract)				
	AO	JP 2001-342277	12/11/01	Japan (Abstract)				
	AP	JP 4-46981	7/31/92	Japan (Abstract)				

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	AJ						
	AK						

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							YES	NO
	AL	EP 1 115 777 B1	7/24/01	Europe				
	AM	WO 97/11985	4/3/97	PCT				
	AN	WO 00/15700	3/23/00	PCT				
	AO	EP 0 517 748 B1	12/18/96	Europe				
	AP	EP 0 975 696 B1	6/25/03	Europe				

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